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## ABSTRACT

A novel receptor-type protein tyrosine  
5 phosphatase (RPTP) protein or glycoprotein and the DNA  
coding therefor is expressed in a wide variety of  
mammalian tissues. Included in this family of  
proteins are human RPTP $\alpha$ , human RPTP $\beta$  and human RPTP $\gamma$ .  
The RPTP protein or glycoprotein may be produced by  
10 recombinant means. Antibodies to the proteins,  
methods for measuring the quantity of the proteins,  
methods for screening compounds, such as drugs, which  
can bind to the proteins and inhibit or stimulate  
their activity, are provided.

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